

Centenary College of Louisiana Bulletin

Established 1825

Vol. 95, No. 2

March 1, 1929


CATALOGUE

OF

CENTENARY COLLEGE OF LOUISIANA SUMMER SESSION 1929



SHREVEPORT, LOUISIANA



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SUMMER SESSION 1929



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College Calendar

SUMMER SESSION, 1929

JUNE 6, THURSDAY. Registration Day for First Term.

JUNE 7, FRIDAY. Summer Session Classes Begin.

JUNE 15, SATURDAY. Last Day for Taking up First Term Courses.

JULY 4, THURSDAY. Independence Day. Holiday.

JULY 10, WEDNESDAY. First Term Closes.

JULY 11, THURSDAY. Registration Day for Second Term.

JULY 12, FRIDAY. Second Term Classes Begin.

JULY 19, FRIDAY. Last Day for Taking up Second Term Courses.

AUGUST 17, SATURDAY. Second Term of Summer Session Closes.

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Board of Trustees

OFFICERS OF THE BOARD

JNO. L. SCALES.....	Chairman
J. C. FOSTER.....	Vice-Chairman
T. L. JAMES.....	Vice-Chairman
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H. T. CARLEY.....	839 Monrovia Street
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T. C. CLANTON.....	1005 City Bank Bldg.
REV. W. W. DRAKE.....	Ruston, La.
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E. A. FROST.....	Frost Lumber Industries, Com. Bank Bldg.
BISHOP SAM R. HAY.....	2308 Southmore Ave., Houston, Tex.
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REV. W. W. HOLMES.....	Alexandria, La.
JOHN B. HUTCHINSON.....	Hutchinson Bros., 504 Texas St.
T. L. JAMES.....	Ruston, La.
R. T. MOORE.....	Commercial National Bank
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REV. J. G. SNELLING.....	815 Washington Ave., New Orleans
F. T. WHITED, JR.....	Frost-Whited Inv. Co., Com. Bank Bldg.
REV. R. H. WYNN.....	Lake Charles, La.

STANDING COMMITTEES

EXECUTIVE COMMITTEE: Dr. John L. Scales, *Chairman*; Messrs. Foster, Holmes, Clanton, Carter, Peavy, Robinson, James, Frost, Moore.

COMMITTEE ON FACULTY: Dr. John L. Scales, *Chairman*; Messrs. Foster, Clanton.

ENDOWMENT LOAN FUND COMMITTEE: Mr. E. A. Frost, *Chairman*; Messrs. Peavy, Foster, Moore, Sexton.

BUDGET COMMITTEE: Mr. E. A. Frost, *Chairman*, Messrs. T. L. James, T. C. Clanton, A. J. Peavy, F. T. Whited.

The President of the College is ex-officio a member of all committees.

*Ex-Officio.

Unless otherwise indicated the address is Shreveport.

Administrative and Other Officers

GEORGE S. SEXTON, D.D.....*President*
R. E. SMITH, A.M., B.D., D.D.....*Dean Emeritus*
JOHN A. HARDIN, A.B., A.M.....*Dean*
MRS. A. R. CAMPBELL, A.B., A.M.....*Dean of Women*

GEORGE M. REYNOLDS, A.B., A.M.....*Secretary of the Faculty*

PIERCE CLINE, PH.B., A.M.....*Registrar*
MRS. EVA FULLILOVE.....*Assistant Registrar*
Secretary to the President
AVIS WILSON.....*Secretary to the Dean*

T. P. LLOYD, M.D.....*College Physician*
B. C. GARRETT, M.D.....*College Physician*

B. F. ROBERTS, LL.B.....*College Attorney*
W. C. BARNETT, LL.B.....*College Attorney*

IREDELL M. CLARK.....	<i>Bursar</i>
WILMA MATNEY.....	<i>Bookkeeper</i>
BESSIE NEWMAN.....	<i>Secretary</i>
MAXINE DAVIS.....	<i>Office Assistant</i>
ELIZABETH HOLDER.....	<i>Office Assistant</i>

MRS. JOHN A. HARDIN.....*Librarian*

MRS. M. O. GRIFFITH.....*Dietitian*
MRS. S. A. MONTGOMERY.....*Matron of the Woman's Bldg.*

Officers of Instruction

GEORGE S. SEXTON, D.D., *President.*

ROBERT E. SMITH, *Dean Emeritus; Professor of Biblical Literature; Head of the Department.*

A.M., B.D., Vanderbilt, D.D., Birmingham Southern.

PIERCE CLINE, *Registrar; Professor of History; Head of the Department.*

Ph.B., A.M., Emory; Graduate Student of University of Chicago.

GEORGE M. REYNOLDS, *Secretary of the Faculty; Professor of Government and Political Science.*

A.B., Hendrix; A.M., Columbia University.

W. C. GLEASON, *Professor of Education; Head of the Department of Education and Psychology.*

A.B., California; M. Ed., Harvard.

JOHN A. HARDIN, *Dean; Professor of Mathematics; Head of the Department.*

A.B., Tennessee; M.A., Chicago.

WILLIAM G. PHELPS, *Professor of Latin, Greek, and Classical Literature; Head of the Department of Classical Literature and Languages.*

A.B., Oberlin; A.M., Princeton; Graduate Student University of Michigan and University of Chicago.

S. D. MOREHEAD, *Associate Professor of History and Economics.*

A.B., Hendrix; A.M., Columbia.

S. A. STEGER, *Professor of English; Head of the Department.*

M.A. in Education, Columbia; M.A., Randolph-Macon; M.A., University of Virginia; Ph.D., Virginia.

A. B. KING, *Professor of Biology (Botany).*

B.S., University of Lincoln Memorial; M.A., Tennessee.

I. MAIZLISH, *Professor of Physics.*

B.S., M.S., Massachusetts Institute of Technology; Ph.D., Minnesota.

R. E. WHITE, *Associate Professor of Modern Languages.*

A.B., M.A., Emory University.

C. L. ODOM, *Assistant Professor in Psychology.*

B.S., Centenary College; M.A., University of Chicago.

ROBERT FRYE, *Assistant Professor of Chemistry and Geology.*

A.B., M.A., University of Indiana.

A. M. SHAW, JR., *Associate Professor of English.*

A.B., Hendrix College; M.A., Peabody. Graduate Student University of Iowa.

BRYANT DAVIDSON, *Instructor of History.*

A.B., Hendrix College; M.A., Columbia University.

IRMA F. BROADWELL, *Instructor in Education; Principal of Model School.*

Louisiana State University; Special Work, Tennessee; Teachers' College, Colorado.

FRANCIS WHEELER, *Director of Department of Music; Professor of Music.*

Graduate Student Music Department, University of Wisconsin.

LEROY CARLSON, *Professor of Piano.*

Graduate Columbia Conservatory of Music; Graduate Student Augustana College.

GLADYS BUTLER, *Instructor of Art.*

A.B., Randolph-Macon; Graduate Student Columbia University.

ARTHUR MORGAN, *Instructor in Art.*

Student of G. Borglum; Beaux Arts Inst. of Design, New York.

HARRIETT BARTHOLF, (*Principal, Barrett School, Shreveport*), *Education.*

A.B., George Peabody College; Graduate Work, George Peabody College.

FRANK FUHRER, *Instructor in Violin.*

University of Colorado.

F. A. DUNSTER, *Professor of Pipe Organ.*

Mus. Doc., University of New York; Special Study, Chester Cathedral, England; Trinity College, London; Cambridge University.

HOMER H. NORTON, *Director of Physical Education and Coach.*

Birmingham Southern College.

CURTIS PARKER, *Freshman Coach.*

A.B., University of Arkansas.

General Statement

The campus of Centenary College includes forty acres of wooded land on the eastern border of the City of Shreveport. A thick growth of a great variety of trees has been left practically intact. It is a spot of rare natural beauty. Stately pines, graceful elms and groves of oaks are the background of the red brick walls of the College Buildings. Here is a place which nature and man have combined to make effective for the study and pleasure of summer students.

The City of Shreveport in which the College is located is a city of great business, imposing public buildings, attractive shops, elegant hotels, spacious avenues, palatial homes and venerable churches. The college grounds are fifteen minutes from the heart of the city, and only a few minutes' walk on a model road to Old River, a picturesque winding stream, ideal for picnics, boating and swimming.

The College and city have been mutually helpful through the years, and each is proud of the other. Centenary students are given a warm welcome into the city in both regular and summer sessions.

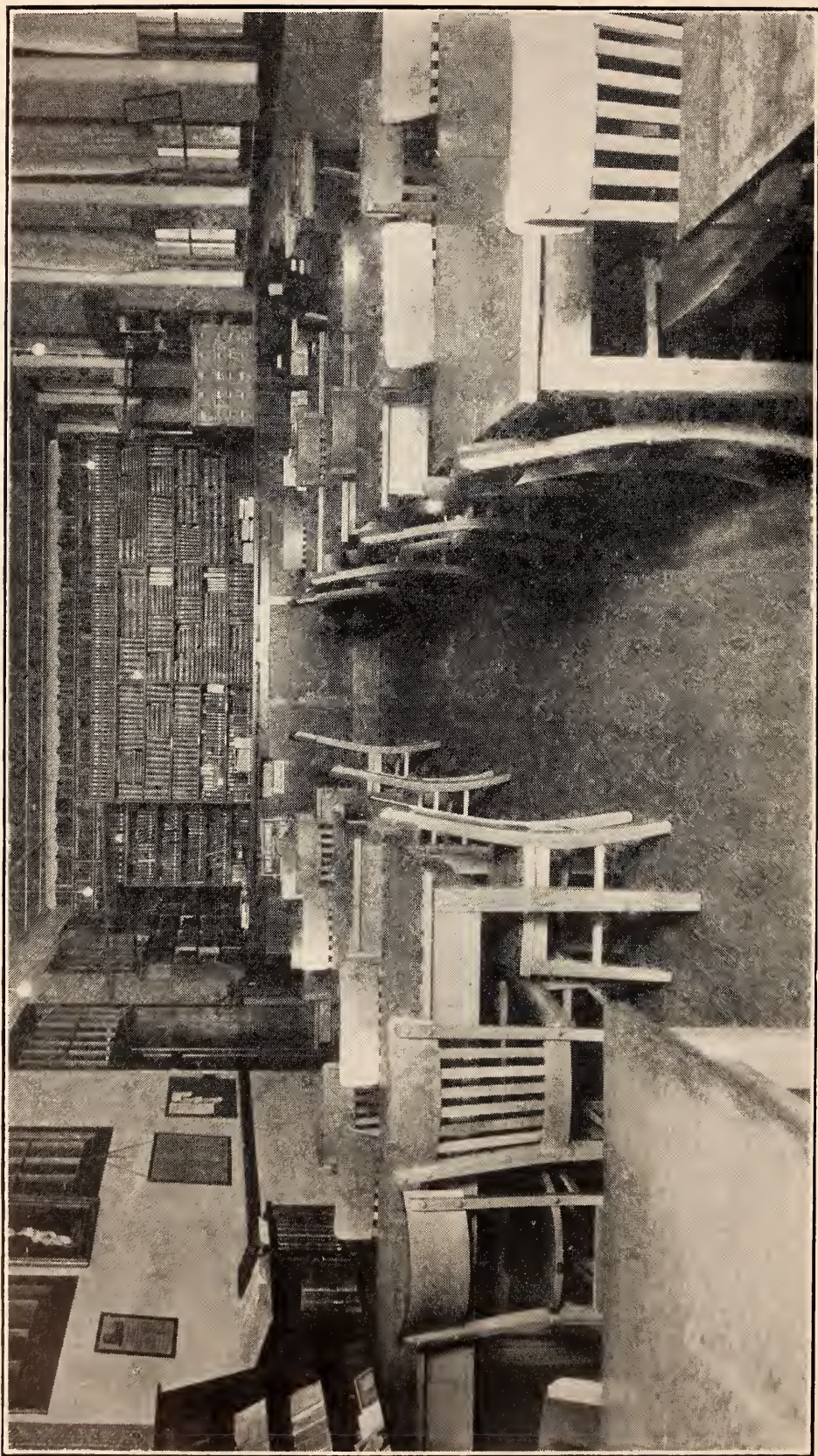
EDUCATIONAL CONNECTIONS

Centenary College is a member of the Association of Colleges and Secondary Schools of the Southern States and of The Association of American Colleges.

RELATION TO THE COLLEGE

The Summer Session is a regular part of the program of the College. The standards of scholarship are fully as high as those of the regular terms. Although most of the courses offered in the Summer Session repeat the work offered in the regular session, as a matter of fact, a number of special courses and attractions are reserved for the Summer Session only—a policy which enables a department to add variety to its program without unduly scattering its interests. The majority of the instructing staff of the Summer Session are members of the regular instructing staff of the College.

The Summer courses are generally equivalent to those offered during the regular session. Credit obtained is fully recognized toward the degrees which the College confers.



READING ROOM IN LIBRARY

THE PURPOSE OF THE COURSES

The Summer Session continues the operation of the College during the summer. Courses of instruction leading to degrees are offered in all departments.

The Summer School aims to provide full opportunity for teachers of the grades, as well as the high school, to continue their education in professional and general subjects. The College recognizes that many teachers are not able to attend the regular session, hence it provides an attractive program for teachers.

The Summer School also meets the demands of an increasing number of regular students who desire to spend a part of their vacation in study, and thereby decrease the number of years leading to graduation.

GOVERNMENT

The rules and regulations published in the general catalogue governing discipline, degree requirements and orderly conduct of the College affairs apply to the Summer Session, as well as to the long session.

EQUIPMENT

During the Summer Session all the equipment of the College is available for students. The library, with the regular librarian in charge, is operated throughout the Summer Session. The well-equipped, biological, chemical and physical laboratories are at the disposal of the Summer Session students.

The College Buildings give abundant room for conducting the work of the Summer Session. All the buildings are well lighted and well ventilated.

GENERAL ANNOUNCEMENTS

LENGTH OF SESSIONS: The session will be ten weeks long, extending from June 6 to August 17. The session will be divided into two terms of equal length. First term, June 6 to July 10. Second term, July 11 to August 17. Classes will meet six days each week.

LATE REGISTRATION: No registration for credit is permitted in the Summer Session after the first week of each term.

BOOKS: Books may be purchased from the College Bookstore. Other school supplies may also be had from this source.

RECREATION

RECREATION IN AND ABOUT SHREVEPORT

In and around Shreveport are to be found a number of recreational centers. Theatres, parks, bathing places and churches provide the Summer Student an opportunity of this nature. Students interested may also arrange to visit the plants of the major industries carried on in the city and environs.

The Shreveport Club of the Texas League has many games in Shreveport during the summer season.

ATHLETICS

ATHLETICS FOR MEN: An athletic field, a gymnasium, basket ball, volley ball and tennis courts will be at the disposal of the students; lockers and bathing privileges in the Club House will be available.

ATHLETICS FOR WOMEN: Certain tennis courts will be assigned to women students in the Summer Session, in addition to a regular program of physical training, carried on in the gymnasium.

EXPENSES

Tuition and fees are payable by the term in advance. No refund is allowed. No credits will be allowed until bills are paid.

TUITION AND FEES

Tuition for each term.....	\$35.00
Library Fee, each term.....	2.00
Library Deposit, returnable less deductions for fines and damages or loss of books.....	2.00
Laboratory Fee, each term for each course in Laboratory...	5.00
Laboratory Deposit, returnable less deductions for breakage, per course.....	5.00
Private Voice Lessons (two lessons a week) each term with Director \$30.00; with Assistants.....	\$15.00 to 20.00
Private Lessons in Piano (two lessons a week) each term with Instructor	15.00
Private Lessons in Violin.....	25.00
Pipe Organ, each term.....	25.00

Private Lessons in Reed or Brass.....	18.00
Piano Practice, one hour per day per term.....	3.00
Art, Individual Lessons, first term.....	24.00
Art, Class Instruction, first term.....	12.00

BOARD AND ROOM

For Men

*Board, each term	36.00
Room, each term	9.00

For Women

*Board, each term.....	36.00
Room, each term.....	10.00

LAUNDRY: The College does not provide laundry, but agents from city laundries call regularly at the dormitories.

SCHOLARSHIPS

There are no scholarships, loan funds or complimentary tuition available during the Summer Session. Tuition is payable in advance. Board is payable by the month in advance.

The financial regulations published in the regular catalogue apply to the Summer Session.

DORMITORIES

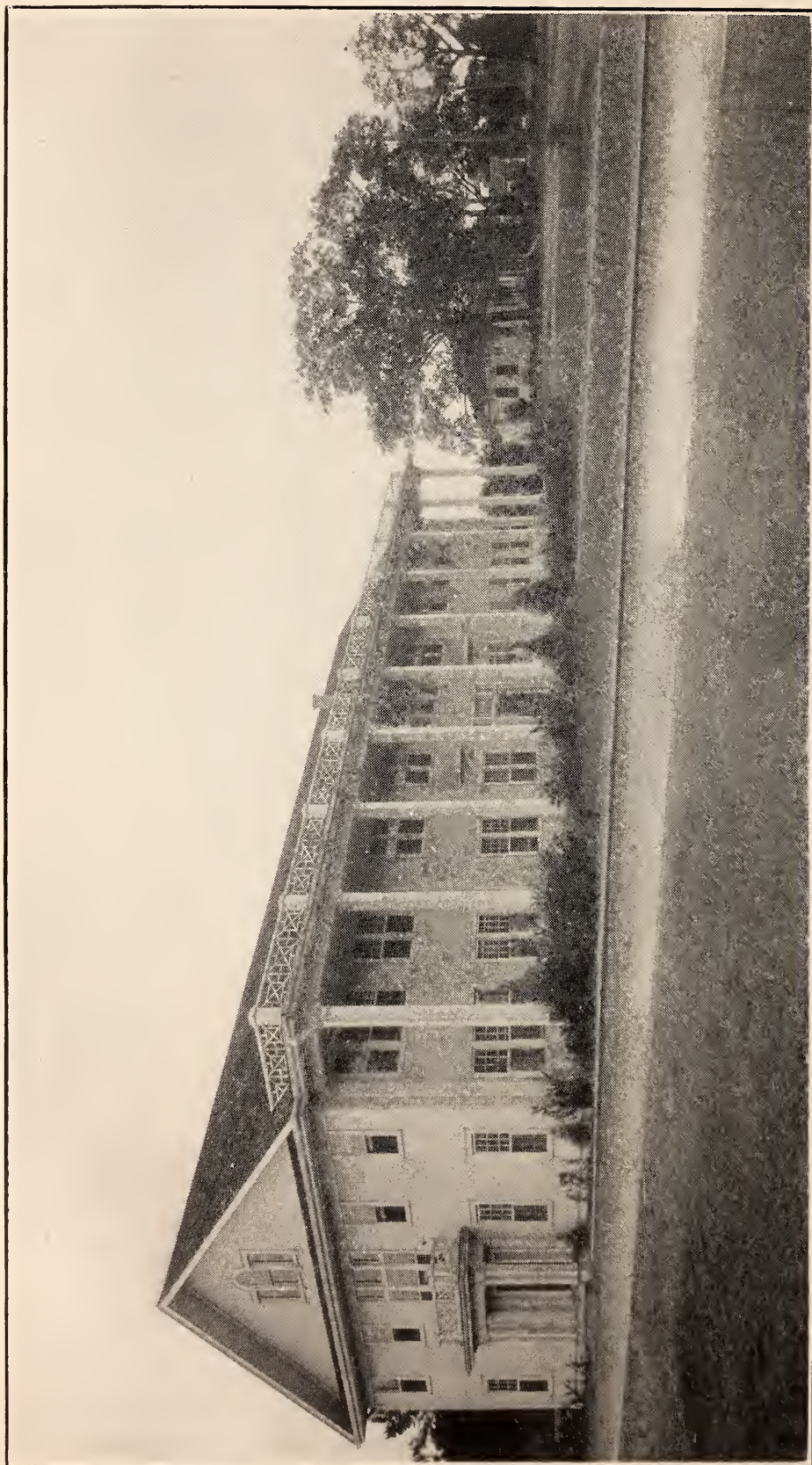
FOR MEN: A well equipped dormitory with all modern conveniences is provided for men.

FOR WOMEN: One of the best equipped buildings on the campus is set aside for women students. This building is well equipped with every modern convenience for women.

Reservations for rooms in these dormitories should be made in advance.

All students should provide themselves with sheets, pillow cases, towels and bed covers, as the rooms are not furnished with these articles.

NOTE: Boarding department will not be operated unless there is sufficient demand.



THE WOMAN'S BUILDING

ADMISSION REQUIREMENTS

The admission requirements to the Summer Session are the same as those for admission to the regular session.

Fifteen high school units are required.

ADMISSION BY CERTIFICATE: Students from approved high schools will be admitted to the freshman class without examination on the presentation of fifteen units of work done in such high school.

ADMISSION BY EXAMINATION: Students from schools below the standard of the approved high schools may be entered as freshmen in the College after an examination that shows proficiency in the subjects required for admission.

ADMISSION BY INDIVIDUAL APPROVAL: At the discretion of the Dean, an applicant over twenty-one years of age may be admitted without examination on the following conditions. (a) He must make a written application; (b) he must furnish evidence that he has substantially covered the ground of the units required of other candidates and that he has sufficient ability and seriousness of purpose to do the work desired with profit to himself and to the satisfaction of the College, and (c) he must show by the writing of a composition that he has an adequate command of English.

ADMISSION TO TEACHERS HOLDING CERTIFICATES: Teachers holding certificates who are not able to present the required units may enter as "unclassified" students and will be permitted to take college subjects and in this way extend their certificates.

SCHOLARSHIP REGULATIONS

ADDING AND DROPPING COURSES

No student may add a course for credit after the first week of the session.

To drop a course without permission, and persistent absence from class amounts to dropping, means to sever one's connection with the College.

A student who drops a course after the first 10 days of the term for any cause other than withdrawal is at the discretion of the Dean given F in the course for the term.



RECEPTION ROOM OF THE WOMAN'S BUILDING

AMOUNT OF WORK PERMITTED

A student is not allowed to register for more than three courses of work each term, and unless an average of C is maintained, such student will be required to drop one course.

REQUIREMENTS FOR DEGREES

The College offers two degrees: The Bachelor of Arts degree, and the Bachelor of Science degree.

On hundred and eighty-five term hours are required for graduation, partly specified and partly elective. The student must make at least an average of thirty honor points per one-third course on the courses taken at the College which are required and counted toward the degree. Work done during the Summer Session may be applied on either degree offered. For full information concerning degree requirements see regular session catalogue, pages 49 to 63.

Courses of Instruction

Full courses, or nine-hour courses, are designated by numbers under 100; three-hour courses, by numbers beginning with 100; six-hour courses, by numbers beginning with 200. Nine-hour courses and six-hour courses must be completed before any part can be counted toward a degree. For example, the fall and spring terms of English I cannot be counted toward a degree until the winter term is completed.

The lower-case letters, f, w, s, (fall, winter, spring), following a course indicate the term or terms of the course covered in the Summer Session.

Freshman courses are indicated by the capital letter F; advanced courses by the capital letter A.

After description of each course the words first term or second term indicate the term of the Summer Session the course will be offered.

ART

100. *Commercial Art*. This course is designed to give to each pupil not only general instruction in all matters pertaining to the making of newspaper, magazine, and commercial illustrations, but to teach those facts which are essential to the financial

success of the pupil as an artist. The chief mediums used are pen and ink, charcoal, and water color. Two term hours. First term.

102. *Art Appreciation* (class). Appreciation and study of the works of the great masters illustrated by prints. One term-hour. First term. Two lectures per week.

101. *History of Art* (class). This course is a brief outline of the history of art, including architecture, sculpture and painting. Appreciation is a special aim. Two lectures per week. One term-hour.

104. *Interior Decoration* (class). This course includes lectures on the principles which underlie harmonious home furnishings, period styles in furniture, wall decoration and draperies, and exercises in planning simple and inexpensive homes. Two term-hours. Four lectures per week. First term.

105. *Drawing*. This work includes the first steps necessary in the development of the form sense, appreciation of direction, balance, proportion and values. Two term-hours. Eight studio-hours. First term.

106. *Water Color Painting*. Training of color sense, still life, and landscape painting. Two term-hours. Eight studio-hours. First term.

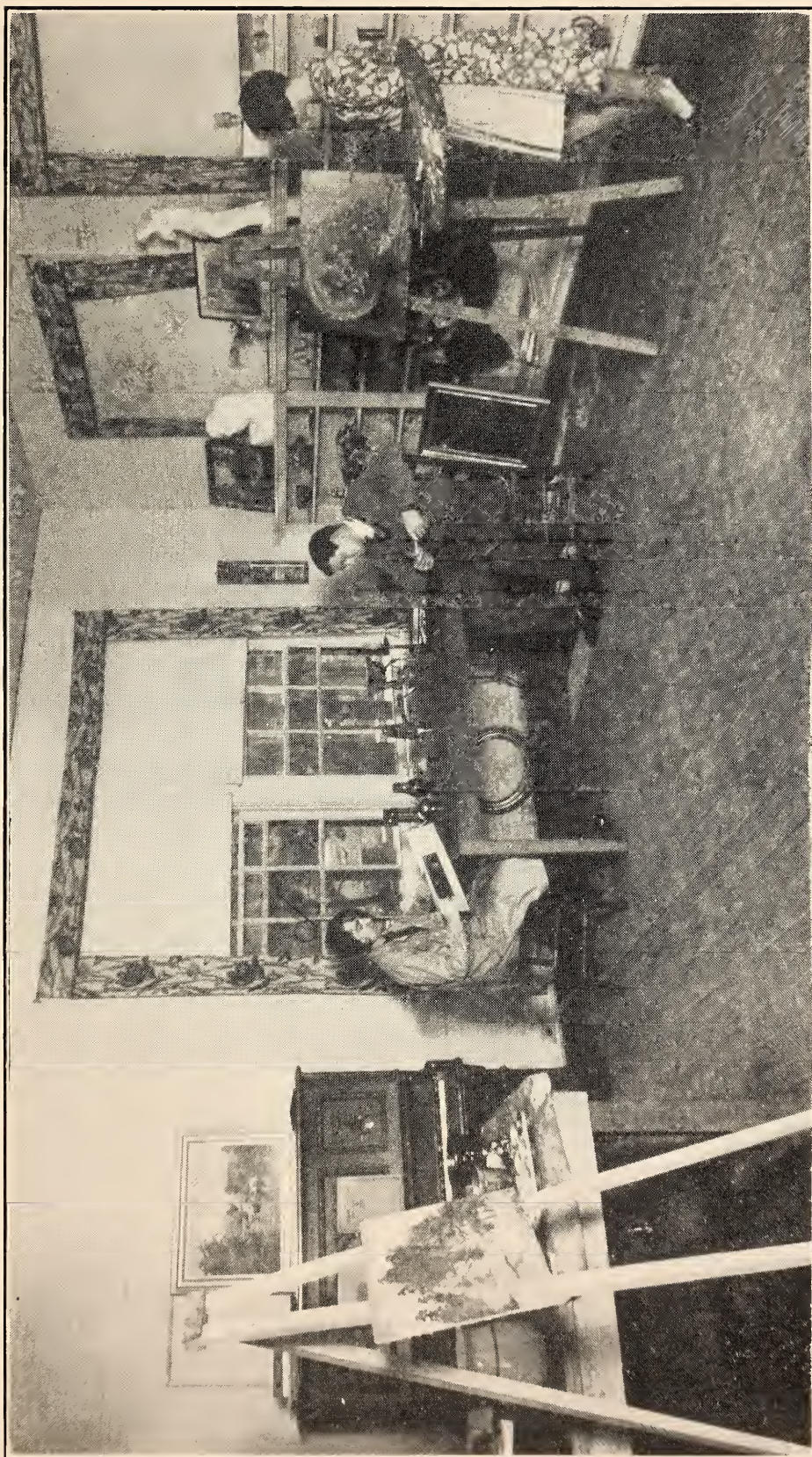
107. *Oil Painting*. Still life and landscape in oil colors. Two term-hours. Eight studio-hours. First term.

113. *The Teaching of Drawing and Handicraft in Elementary and Secondary Schools*. Their place in education, their relation to other studies and to community interests. Also, the aim of this course is to give to students a general idea of the artistic; an appreciation of art. Two term-hours. First term. (This course counts as Education, also).

PORTRAIT PAINTING AND SCULPTURING

100. *Portrait Painting* (class). Elementary and Advanced Composition in portraiture, tone values, color mixing and application, characteristic forms and likenesses. One term-hour. First term.

101. *Sculpture* (class). For beginners and advanced students. A thorough course in modeling, composition and anatomy, intended for students desiring to make this art their profession. Two term-hours. First term.



ART CLASS AT WORK IN THE ART STUDIO

BIBLICAL LITERATURE

BIBLE

200. F. *Syllabus of the Bible*. This is an outline study of the books of the Old Testament. The men and women of the Bible are made prominent; the history and development of Institutions are traced; a foundation is laid for research. The student is made familiar with the structure, purpose and arrangement of the Old Testament. This course or its equivalent is required before graduation. Must be completed before senior year to receive full credit. First and second terms. Six term-hours.

101. A. *Life of Jesus*. Based upon the synoptic gospels. Rapid readings. The student will write a brief biography of Jesus. An attempt to interpret the turning points in the life of Christ will be made. *Constructive Studies in the Life of Christ*, Burton and Matthews, will be used as reference; also, a brief outline, such as Rhees' *Life of Jesus*, will be surveyed. The student will write a summary of the work done in this course. Prerequisite: Bible 200. Three term-hours. First term.

112. *Life of Paul*. A careful study of the activities and significance of the Apostle Paul is made. Rapid surveys in his Epistles are made with maps of his journeys. The impact of Christianity upon the Greco-Roman world is considered, and a term paper required. Three term-hours. First term.

120. A. *The Acts of the Apostles*. The organization of the Early Church and the spread of Christianity. Lectures and notes with library references will supplement the actual reading of the Book of Acts itself. Special emphasis will be given to the origin of Missions. (Not open to Freshmen). Three term-hours. Second term.

121. A. *The Epistles*. This is a continuation of 120 yet may be taken by those who have not had the former course. A rapid survey of the Epistles of St. Paul, St. John, St. Peter and St. James is made and a comparison of their teachings is set up. (Not open to Freshmen). Three term-hours. Second term.

130. A. *Social Institutions and Ideals of the Bible*.—This is a study of the development of society as expressed in its organized forms and revealed in the Bible. Emphasis is placed upon the brooding and superintending care of God as human need determines laws and institutions. Hebrew society is studied as under the microscope. Its cell life seems exposed to the careful Bible student. Three term-hours. Not open to Freshmen. Second term.

BIOLOGY

ZOOLOGY

1f. F. *General Zoology*. Instruction is given in the general principles and concepts of Zoology. Six lectures and eight laboratory hours per week. Five term-hours. First term.

1w. F. *General Zoology*. A continuation of course 1f. Five term-hours. Second term.

202f. *Vertebrate Zoology*. Comparative Anatomy development and phylogeny of the vertebrates. Prerequisite: Biology 1 or its equivalent. Six lectures and eight laboratory hours per week. Five term-hours. First term.

202w. *Vertebrate Zoology*. A continuation of course 202f. Six lectures and eight laboratory hours per week. Second term. Five term-hours.

216w. *Heredity*. Principles of heredity in the application to animals, plants, and mankind. Lectures, assigned readings, and problems. Prerequisite: Sophomore standing and Biology 1, or Biology 105. Three term-hours. First term.

216s. *Heredity*. A continuation of course 216w. Three term-hours. Second term.

104w. *Physiology. The Human Body*. An introductory and elementary course, covering the main facts and important recent advances in human physiology, foods, exercise, nutrition, personal hygiene, and laws of health, primarily for undergraduate students who desire this knowledge as part of their educational equipment for life, but who are unable to devote more of their college time to this subject. Prerequisite: Biology 1 or Chemistry 1. Three term-hours. First term.

BOTANY

2f. F. *General Botany*. A general introduction to botany, including the important structures of plants as a foundation for the study of functions, the general classification of plants, and the evolution of the plant kingdom, general function of the organs of seed plants, such as absorption, transpiration, photosynthesis, and respiration. Six lectures and eight laboratory hours per week. Five term-hours. First term.

2w. F. *General Botany*. A continuation of course 2f. Five term-hours. Second term.

103s. *Plant Taxonomy*. This course is offered to students who have completed course 2, General Botany, but desire to become better acquainted with the common wild plants and to acquire a training in identification and classification of plants. The laboratory work consists of collecting, classifying, and preparing plants for herbarium use and practice in the use of various keys based upon the flora of the south and southwestern part of the United States. Four lectures and eight laboratory hours per week. Four term-hours. Second term.

CHEMISTRY AND GEOLOGY

CHEMISTRY

1f. *General Inorganic Chemistry*. Six recitations per week. Eight laboratory hours per week. Five term-hours. First term.

1w. A continuation of Chem. 1f. Five term-hours. Second term.

2f. *Analytical Chemistry—Qualitative Analysis*. Training in laboratory technique with solutions of all inorganic types. Classroom work will include instructions in applications of the theory of ionization to analysis. Four recitations and twelve laboratory hours per week. Prerequisite: Chemistry 1. Five term-hours.

2w. *Analytical Chemistry—Gravimetric Analysis*. Four recitations and twelve laboratory hours per week. Five term-hours. Second term.

3fw. *Elementary Organic Chemistry*. A study of the chief classes of organic compounds of the aliphatic and aromatic series. Prerequisite: Chemistry 1. Four lectures and eight laboratory hours per week. Four term-hours. Both terms.

110fw. A. *Advanced Organic Chemistry*. A study of the principles and practices of organic chemistry as applied to important classes of compounds, including coal tar dyes, carbohydrates, alkaloids, terpenes, uric acid derivatives, ptomaines; special topics, including tautomerisms, stereoisomerism, and the electron theory applied to organic compounds. Four term-hours. Lectures only may be taken for two term-hours. Prerequisite: Chemistry 3. Both terms.

GEOLOGY

1f. *Structural and Historical Geology*. Studies in rock formation and transformation, in fossilization, in making of seas and mountains, in development of life from the one celled animals to man, in classification of geological time in terms of epochs and eras,

etc. Six exercises per week with some field and museum work. Three term-hours. First term.

1w. *Structural and Historical Geology*. A continuation of course 1f. Three term-hours. Second term.

ECONOMICS AND SOCIOLOGY

1f. *A Course in Principles of Economics*. Interests, prices, value, wages, supply and demand, money, banking, the distribution of wealth and business organization are studied. Such questions as the tariff, government operation of railroads, child labor, labor unions, are debated by the students and discussed in class. Three term-hours. First term. Prerequisite: Sophomore standing.

1w. Continuation of Economics. 1f. Three term-hours. Second term.

126. A. *The Trust Problem*. An advanced course, studying Business Organization and Combination. The Standard Oil, U. S. Steel, and other large trusts are studied with reference to their origin and development and what should be the public policy toward them. Three term-hours. First term. Prerequisite: Economics 1.

127. A. *Public Finance*. An advanced course dealing with government revenues and expenditures, taxes, fees, special assessments. A special study is made of taxation in the United States. Prerequisite: Economics 1. Three term-hours. Second term.

101. A. *Sociology*. This is a course dealing with the origin, growth and development of the family, crime, poverty, economic classes in cities, social organization, the development of the State, social forces and laws, immigration, and similar problems of interest to students of sociology. Prerequisite: Economics 1 or permission of the instructor. Three term-hours. First term.

EDUCATION AND PSYCHOLOGY

EDUCATION

COURSES IN STUDENT TEACHING AND SPECIAL METHODS

100f, 101w, 102s. *Student Teaching*. Students who intend to teach in the elementary schools should have a course in student teaching. This work will be done in a model school supervised by an experienced grade teacher. Students will conduct lessons, observe the work of teachers and other student teachers, supervise ac-

tivities in the class room and on the playground, submit outlines and lesson plans. Class meets six times a week. Prerequisite: Sophomore standing. Three term-hours. Both terms.

110. *Supervised Play*. The aim of this course is to familiarize the student with the modern use of play material; to develop the educational value of toys and their place in the kindergarten; to experiment with modern materials, and to estimate their value in relation to early elementary education. Prerequisite: Sophomore standing. One and one-half term-hours.

112. *General Elementary School Methods*. The following topics are discussed: Broadening purposes, selecting and organizing subject matter, project teaching, interest, drill, and individual differences. Special attention given to arithmetic, reading and language. Significance of recent investigations for elementary methods. Prerequisite: *Sophomore standing*. (This course is offered each term). Three term-hours.

113. *The Teaching of Drawing and Handicraft in Elementary and Secondary Schools*. See announcement under Art.

116. *Methods in Arithmetic (Grades 1 to 6 Inclusive)*. The racial development of the fundamental phases of arithmetic; modern scientific investigations in arithmetic, approved methods of teaching the various topics in arithmetic, methods of eliminating waste in teaching arithmetic, present tendencies in arithmetic, standard tests in arithmetic; emphasis upon both content and method. Three term-hours. First term. (Miss Bartholf). Course repeated second term if demand is sufficient.

117. *Methods in Reading*. A review of the more recent investigations regarding eye movements, control of inner speech, and phonics, followed by a study of the fundamental principles of teaching reading established by the investigators. There will be much discussion of materials and procedures which are most helpful in developing effective silent and oral reading. Three term-hours. (Miss Bartholf). Course repeated second term if demand is sufficient.

118. *Human Geography*. A study of the principles of human geography. Physical background subordinated to life responses. Man's relation to location, land forms, bodies of water, soils, minerals, climate, vegetation, animals and man. Three term-hours. First term. (Miss Bartholf). Course repeated second term if demand is sufficient.

GENERAL COURSES IN EDUCATION

105f. *Principles of Secondary Education.* The raw material with which secondary education deals, i.e., boys and girls approximately twelve to sixteen years of age. The school as a social institution—its character, place, and functions; the aims of secondary education, viz: health, command of fundamental processes, worthy home-membership, vocation, citizenship, worthy use of leisure, and ethical character; the specializing and unifying character of secondary education, i.e., wide range of subjects, vocational guidance, differential curricula and participation of pupils in common activities. Prerequisite: Sophomore standing. Three term-hours. First term. Course to be repeated second term.

108. *Tests and Measurements.* A study of the essential principles of tests and measurements, including the following topics: The need for more accurate means of evaluating educational products, methods of devising tests and scales, standardizing of tests, the administration of tests and their uses; the development of intelligence tests and the standardization of same; scoring of tests and tabulation of results; statistical treatment of results, measures of central tendency of a group, co-efficient of correlation, etc. Prerequisite: General Psychology or Sophomore rating. First term. Three term-hours. Second term also. (Two sections each term).

PSYCHOLOGY

1f. F. *General Introductory Psychology.* A general introductory course for beginners. Descriptive and explanatory lectures and readings will be given in the aims, scientific methods and problems. A study will be made of the nervous systems, sensation, original nature, habit, attentive processes, memorial processes, thinking and reasoning, individual differences, and the affective processes. The principal aim of the course is to train the student to observe the processes of his own experience and those of others; to appreciate critically what he may read along psychological lines; and to train him to use scientific methods in the study of the mind. This course forms a good foundation for future work in Psychology and related courses. Three term-hours. (Continued for the second term, or repeated according to the demand).

121f. A. *General Advanced Psychology.* A course of lectures which treats more intensively of the presuppositions, methods and problems of psychological theory than is possible in Psychology 1. Divergent viewpoints are studied and compared with the

purpose of familiarizing the student with the principal psychological concepts and bringing these into a coherent sequence, acquainting him with the outstanding present-day problems of aim and methodology, and aiding him in his own systematic thinking. Prerequisite: Psychology 1, or equivalent, or permission of the instructor. Three term-hours. Second term subject to demand.

123w. A. *Social Psychology*. An elementary treatment of social behavior and consciousness. Among the topics treated are the significance of emotion and feeling; personality and its measurement; groups and crowds; social attitudes, conflicts; customs; suggestions; leadership; with an attempt to apply these principles to the problems found in modern social life. Prerequisite: Psychology 1 or equivalent, or permission of the instructor. Three term-hours. (First term). Repeated second term subject to demand.

110f. A. *Psychology of Infancy and Early Childhood*. The purpose of this course is to present those principles of psychology which can be used by parents, teachers and others interested in young children. Some of the problems that will be considered are: the formation of emotional, intellectual and motor habits; perpetuation of desirable attitudes and eradication of undesirable ones; environment in relation to adequate social adjustments and the creation of social tendencies and social habits; the general innate equipment of the child. Prerequisite: Psychology 1, or permission of the instructor. Three term-hours. (First term). Repeated second term subject to demand.

111w. A. *Psychology of Later Childhood and Early Adolescence*. The purpose of this course is the same as that in Psychology 110, except that it will deal with the psychological problems of older children. The point of view that the child is a changing and growing personality will be adhered to, with the purpose of considering those problems and needs of children at different stages in their development. Prerequisite: Psychology 1, or permission of the instructor. Three term-hours. (Second term).

ENGLISH

1s. *Composition and Rhetoric, and Types of Literature*. Weekly themes. Study of selected types of English Literature. Collateral readings. Prescribed for Freshmen. The last term of the regular Freshman course. Three term-hours. First term.

2s. *Survey Course in English Literature.* Lectures, readings, class discussions, and some composition. Prerequisite: English 1, and English 2fw. Texts: Century Readings in English Literature, and English Literature (Albert). The last term of the regular Sophomore course. Three term-hours. First term.

114. A. *Chief American Poets.* A study of the major American poets of the Nineteenth Century. Three term-hours. Second term.

119. A. *Browning.* A study of the shorter dramatic monologues. Three term-hours. Second term.

122. A. *The Modern Short Story.* Three term-hours. Second term.

124. A. *Contemporary American Poetry.* A study of American poetry since 1890, with special attention to representative writers. Three term-hours. First term.

140. A. *Chaucer.* A rapid survey of Chaucer's principal works with special attention to the whole of the Canterbury Tales. Three term-hours. First term.

141. A. *Wordsworth and Byron.* A short examination of the background of the poetry of the romantic period, and a study of its characteristics as exemplified in the poetry of Wordsworth and Byron. Three term-hours. First term.

149. A. *English Grammar.* A review of English Grammar, with questions of modern usage. This course is recommended for teachers of the grammar grades. Three term-hours. First term.

GOVERNMENT AND POLITICAL SCIENCE

201fw. *American Government.* This course constitutes a general survey of the structure, operation, and most persistent problems of American Government—national, state, and local—considering political organization the first term, and problems of administrative organization, finance, justice, relation of government to economic life and foreign relations, the second term. Prerequisite: Sophomore standing. Six term-hours. First and second terms.

102s. A. *Leading Cases in Constitutional History.* An analysis of the more important decisions of the Supreme Court bearing upon the interpretation and application of the Constitution. Prerequisite: Junior standing and Government 201. Three term-hours. First term.

103s. *The Governments of Europe.* A survey of the leading foreign governments, emphasizing Great Britain, France, and Switzerland, and a brief survey of all important free governments. A summary of the outstanding characteristics of the more recent European Constitutions will be made. Prerequisite: Sophomore standing. Three term-hours. Second term.

HISTORY

1fws. F. *History of Western Europe.* A general survey of Western Europe from the Fall of Rome to the present time. Special emphasis will be laid on such topics as the development and decay of feudalism; the influence of the Church; the Renaissance; the Reformation; the French Revolution, and the growth of nationalism and imperialism. Nine term-hours. (Fall and winter terms offered in the first term; spring term offered in the second term).

2fws. *English History.* A review of the entire field of English history with special attention given to the use of the theory of Divine Right of Kings; its destruction by Puritan revolution; the granting of Magna Charta; and its importance as the foundation of the English Constitution; the Reform Bill of 1832; Ireland, etc. Special reports and collateral assignments. Prerequisite: One year of college history. Nine term-hours. (Fall term offered first term; winter and spring terms offered second term).

101. A. *American History.* A Survey of the History of the United States down to the Compromise of 1850. Especial emphasis on the origin and development of the Constitution. Three term-hours. First term.

103. A. *American History.* From the Compromise of 1850 to the present time. Three term-hours. Second term.

106. A. *Modern European History.* A course dealing with the causes and consequences of the World War. Three term-hours. First term.

PHILOSOPHY

101. *History of Ancient Philosophy.* A History of Ancient philosophers and their systems of philosophy. Text book assignments and readings in sources. Three term-hours. First term.

103. *Modern Classical Philosophers.* Text book assignments and emphasis on extensive source reading. Three term-hours. Second term.

LATIN

100. *Cicero*. Selections from the Orations will be read. Review of forms and syntax, Latin prose writing and a study of the historical setting will be stressed. Prerequisite: Two entrance units. Three term-hours. First term.

101. *Cicero*. This course will be a continuation of course 100 or a repetition, according to the needs of the students. Prerequisite: Latin 100 or equivalent. Three term-hours. Second term.

102. *Virgil*. Selections from the Aeneid will be studied. Attention will be given to translation, prosody, forms, syntax, mythology and the literary significance of the poem. Prerequisite: Three entrance units. Three term-hours. First term.

103. *Virgil*. A continuation of course 102. Prerequisite: Three entrance units. Three term-hours. Second term.

MATHEMATICS

101f. F. *Solid Geometry*. The usual topics of the subject, among which are studies of loci, polyhedrons, and spheres. Text: *Ford and Ammerman*. Three term-hours. Will be given if demanded.

102. *College Algebra*. Certain fundamental principles, functions and graphs, linear equations and functions, quadratic equations and functions, polynomials and algebraic equations, mathematical induction and the binomial formula. Text: Rietz and Crathorne. Three term-hours. First term.

103. *Advanced College Algebra*. Variation, permutations and combinations, systems of linear equations, determinants, logarithms and exponential equations, progressions, annuities. Prerequisite: Mathematics 102. Text: Rietz and Crathorne. Three term-hours. Second term.

104. *Plane Trigonometry*. The use of the tables of the natural trigonometric functions and of logarithmic functions in the solution of triangles; emphasis given to the derivation of trigonometric formulas, and the proof of trigonometric identities. Text: Bauer and Brooke. Three term-hours. First and second terms.

106. *Plane and Analytical Geometry*. A development of the notations of co-ordinate geometry. Fundamental problems of analytics. Geometry of the straight line and the conic sections. Prerequisite: Mathematics 104. Text: Tanner and Allen. Three term-hours. First term.

107. *Plane Analytical Geometry*. Completion of Mathematics 106, followed by a study of the general equation of the second degree and of higher plane curves. Text: Tanner and Allen. Three term-hours. Second term.

An introductory course in Differential Calculus will be offered if there is a demand for it.

MODERN LANGUAGES

FRENCH

As. F. *Elementary French*. Grammar, elementary composition, easy reading and oral practice. Three term-hours. First term.

1f. F. *Intermediate French*. More difficult composition, reading of modern authors, simple conversation based on text, and elementary phonetics. Prerequisite: French A. Three term-hours. First term.

1w. F. *Intermediate French*. Continuation of 1f. Three term-hours. Second term.

2f. *Advanced French*. Advanced composition including free compositions; selected reading of authors from Romantic period. Prerequisite: French 1. Three term-hours. First term.

2w. *Advanced French*. Continuation of French 2f. Three term-hours. Second term.

114. A. *The French Novel*. Reading important works of early novelists. LeSage, Prevost, and others. Prerequisite: French 2. Three term-hours. First term.

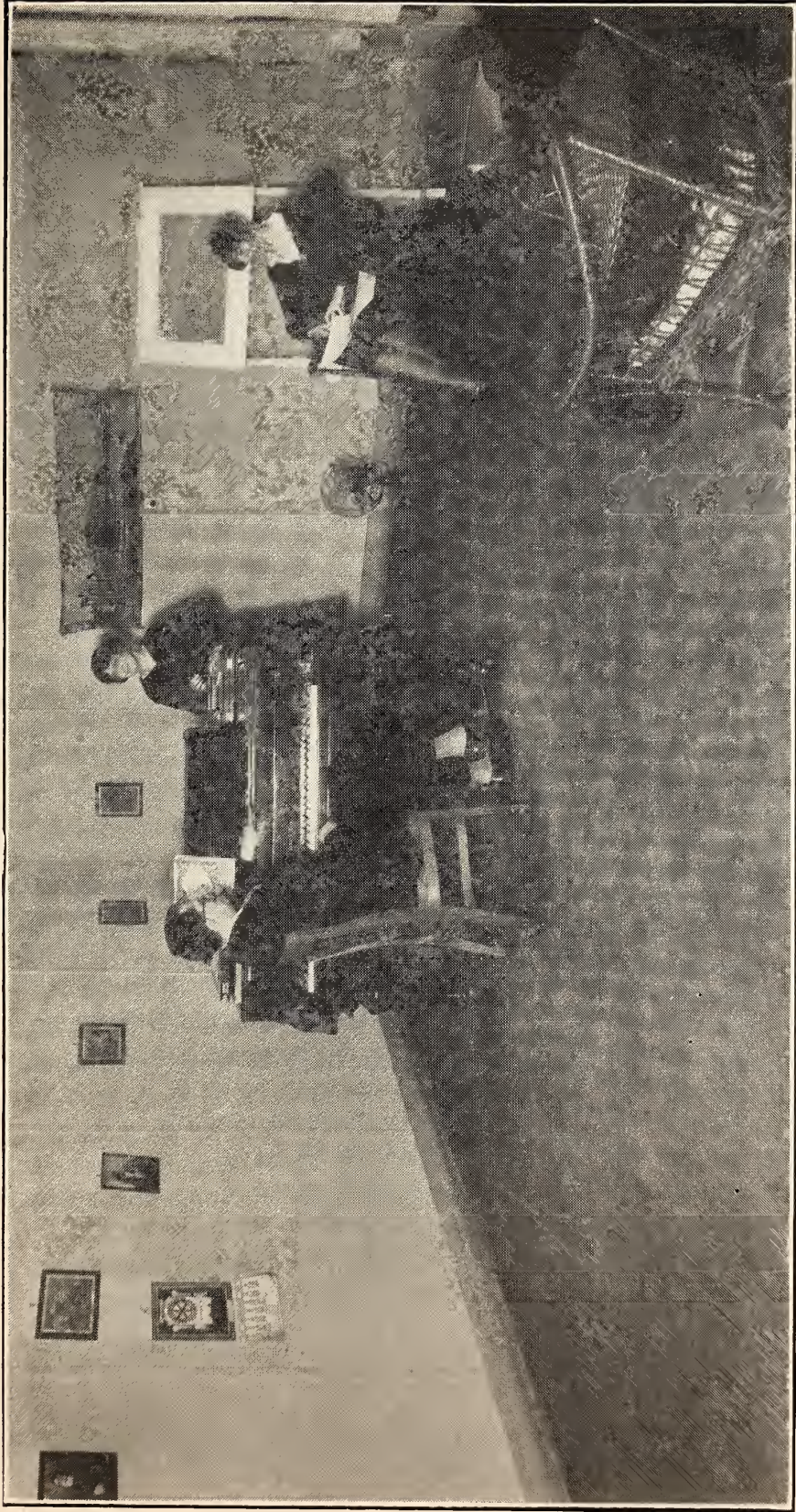
115. A. *The Romantic Novel*. Reading some of the important novels of Hugo, Dumas, and others. Prerequisite: French 2. Three term-hours. Second term.

SPANISH

Af. F. *Elementary Spanish*. Grammar, elementary composition and oral practice. Three term-hours. First term.

As. F. *Elementary Spanish*. Third term of first year. Grammar, easy reading, elementary composition and oral practice. Three term-hours. First term.

1s. F. *Intermediate Spanish*. More advanced composition and reading of modern prose. Simple conversation based on text. Prerequisite: Spanish A. Three term-hours. First term.



THE DIRECTOR'S STUDIO IN THE MUSIC BUILDING

101f. *Spanish Literature*. Reading course; La Novela Picaresca. Prerequisite: Spanish 1. Three term-hours. First term, if sufficient demand.

107f. *Spanish Literature*. Reading course. Modern Spanish. Important works of Blasco Ibanez. Second term. Three term-hours.

102w. *Commercial Spanish*. Letter writing. Prerequisite, Spanish 101. Three term-hours. Second term.

MUSIC

Private lessons will be offered in the Department of Music in the following branches of music at the rates indicated.

Private Lessons in Voice with Director, per term of five weeks (two lessons per week)	\$30.00
Private Lessons in Voice with Assistants, per term of five weeks (two lessons a week)	\$15 to 20.00
Private Lessons in Violin with Professor Proudfit, per term of five weeks (two lessons a week)	25.00
Private Lessons in Piano with Instructor, per term of five weeks (two lessons a week)	15.00
Private Lessons in Pipe Organ	25.00
Private Lessons in Reed or Brass	18.00
Piano Practice (one hour per day per term)	3.00

PHYSICS AND ASTRONOMY

PHYSICS

107. *X-Rays*. A lecture and reading course based on Kaye's book. Six hours per week. Prerequisite: Physics 1. Three term-hours. First term.

115. *Practical Electricity*. A course of lectures, recitations, and problem work dealing with the fundamental principles of electricity, sources of e.m.f., measuring instruments, machinery, vacuum tubes, telegraphy and telephony, radio transmission, and radio reception. Prerequisites: Physics 1 and College Algebra. Six hours per week. Three term-hours. First term.

ASTRONOMY

100. *Astronomy*. A course of lectures and recitations. This is an elementary course. Six hours a week, with occasional meetings for telescopic observations. Three term-hours. First term.

